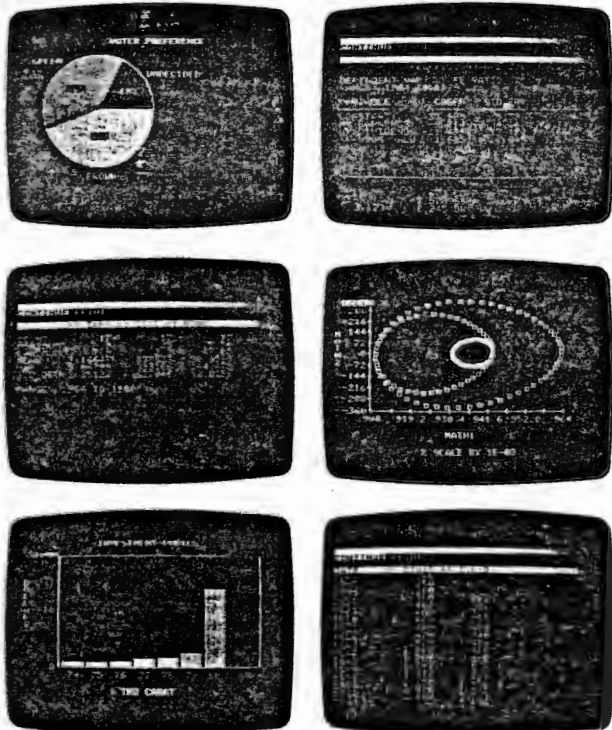


VISITRENDTM +VISIPILOTTM

POCKET REFERENCE



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PART NUMBER: 10939-33100

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MOVING THE CURSOR

- ←→ Moves the cursor left and right within the menus and up and down within the lists.
- SPACE Bar Switches lines within the menus.

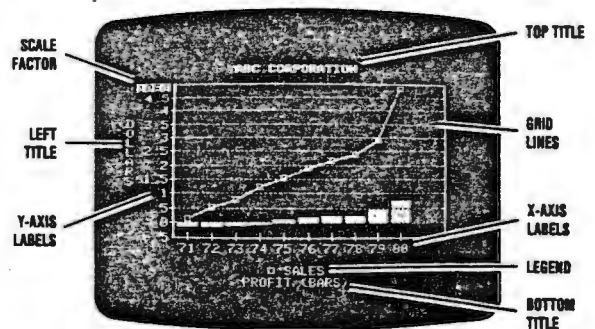
KEY USAGE

- CTRL-C Cancels a function, such as printing or drawing a chart, that is already in operation.
- ESC Erases the last character entered from the keyboard. In the EDIT function, enters the Edit command menu. Erases the status area when a chart is displayed.
- I,J,K, and M Moves a moveable title in the direction indicated by the relative position of the key—up (I), down (M), right (K), and left (J).
- REPT Automatically repeats any other key that is depressed.
- RESET SHOULD NOT BE USED. When accidentally pressed, usually returns to the highest level menu in the current program.
- RETURN Selects the menu or list item to which the cursor currently points and enters alphanumeric data typed at the keyboard.
- SPACE Bar Marks a list item with an asterisk (*) for selection when multiple selection is allowed. Also deselects a selected item. Functions the same as the RETURN key when multiple selection is not allowed.
- Y Affirmative response to prompts requesting confirmation, such as changing programs and deleting files. Any key except Y cancels the operation.
- 0-9 Controls the speed of a moveable title—stop (0) to slow (1) to fast (9).

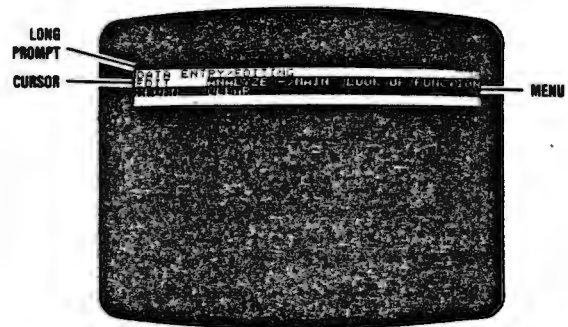
DATA ENTRY

Data is entered from the keyboard when the message in the status area requests it. Numeric data must be entered in decimal format. The program converts large numbers (greater than 9 digits) and small numbers (less than .001) to exponential format, for example, if you enter 34000000000 the program displays 3.4E+10.

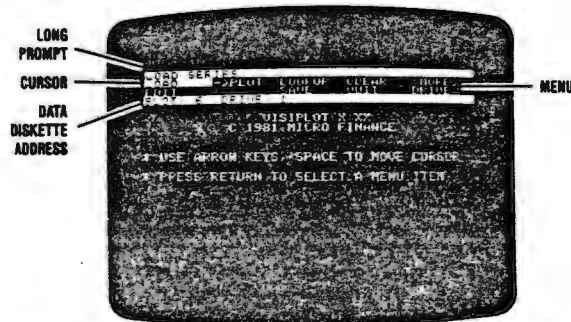
THE VISIPLLOT CHART



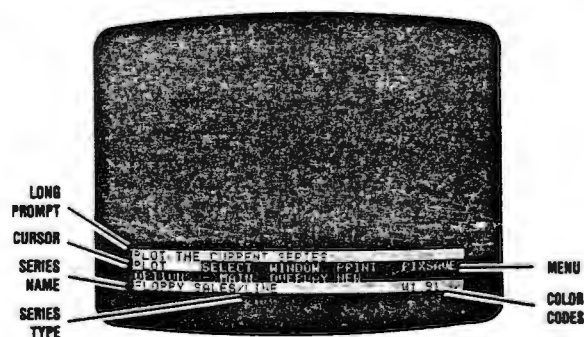
VISITREND PROGRAM STATUS AREA



STORAGE MANAGEMENT PROGRAM STATUS AREA



PLOT PROGRAM STATUS AREA



SOME VISITREND/VISILOT DEFINITIONS

- DATA POINT** A numeric value associated with a date; the value plotted against the X-axis.
- FILE** A collection of 1 to 16 data series on a diskette.
- LIST** A display offering a collection of data items, one or more of which can be selected.
- PERIOD** The frequency of data points within a year.

RANGE The period of time covered by a series. It is plotted on the X-axis.

SCALE The scope of values covered by the Y-axis of a chart.

FILE NAME QUALIFIERS

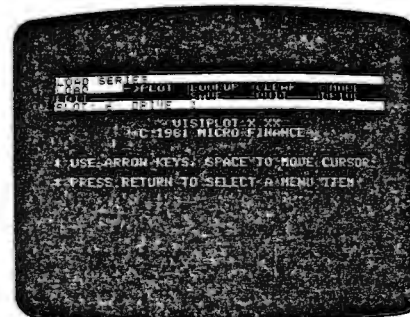
The VisiTrend/VisiPlot program generates data series based on source series specified during function invocation. The generated series use the name of the source with one of the following qualifiers added.

FUNCTION	QUALIFIER
MOVE AVG	.Mn n = number of periods averaged.
SMOOTH	.S
%CHANGE	.%
LAG	.-n n = number of periods lagged.
LEAD	.+n n = number of periods leading.
TOTAL	.T
REGRESS	.Fn Fitted series; n is program supplied.
	.Rn Residual series; n is program supplied

MENU FUNCTIONS

STORAGE MANAGEMENT PROGRAM

Main Storage Management Menu



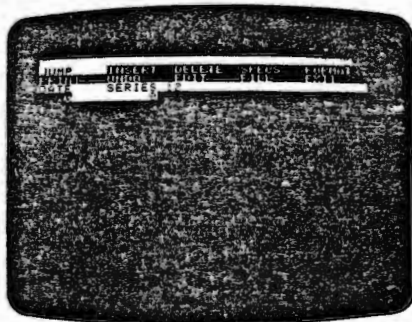
LOAD Load file of series from diskette to memory.

->PLOT Go to the Plot program.

LOOKUP List data series currently in memory.

CLEAR Delete data series from memory.
<MORE> Go to the main menu extension.
EDIT Invoke the data entry and editing function.
->TREND Go to the VisiTrend program.
SAVE Write data series to file on diskette.
NORMAL Save data in Visiplot data format.
DIF Save data in DIF format.
QUIT Transfer control to Applesoft Basic.
DRIVE Change data diskette drive number.
INIT Initialize a diskette for VisiPlot use.
DELETE Delete files from the data diskette permanently.
SLOT Change the data diskette slot number.
MAIN Return to the main menu.

Edit Command Menu



To change an entry, move cursor to entry, type new value, and press RETURN or right arrow key.

To add a value to the end of a series, move the cursor beyond the end, type new value, and press RETURN or right arrow key.

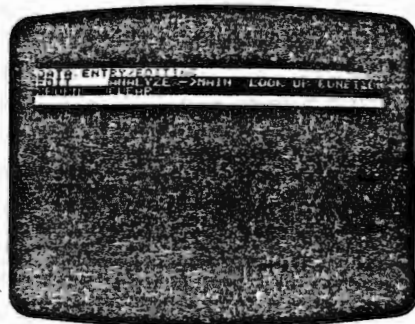
The commands take place at the cursor location in the series.

JUMP Move cursor to end of, beginning of, or date within a series.

INSERT Add 1 or more data points to the series.
DELETE Delete data points from the series.
SPECS Change the data series specifications.
NAME Change the series name.
PER Change the series period.
START Change the series start date.
EXIT Return without making change.
FORMAT Change the data format (fixed format with degree of precision or floating point) and column width.
PRINT Print the contents of the screen.
UNDO Remove all changes made in this edit session.
EDIT Return to the Edit entry level.
FILL Add data to the series.
ARITH Add data in arithmetic progression.
GEOMET Add data in geometric progression.
INSERT Add a whole series from memory.
INTERP Interpolate for zero values between points.
EXIT Return without adding data.
EXIT Return to the Main Storage Management menu and save series.

VISITREND PROGRAM

Main Menu



EDIT	Invoke the data entry and editing function.
ANALYZE	Invoke statistical analysis functions.
->MAIN	Return to the Main Storage Management program.
LOOKUP	List data series currently in memory.
FUNCTION	Invoke the series permutation functions.
XFORM	Invoke the series transformation function.
CLEAR	Delete data series from memory.

XFORM Capabilities

The XFORM function offers the following operators and functions:

Arithmetic Operators

+	Addition
-	Subtraction
*	Multiplication
/	Division
-	Exponentiation

Logical Operators

AND
OR
NOT

Comparative Operators

<	Less than
<=	Less than or equal
=	Equal
>	Greater than
>=	Greater than or equal

Functions

(Variable (v) must be a series name—see Applesoft functions for further information.)

SGN(v)	Sign
INT(v)	Integer part of
SQR(v)	Square root
LOG(v)	Natural logarithm
EXP(v)	e to the power of
RND(v)	Random number between 0 and 1
ABS(v)	Absolute value of
SIN(v)	Sine
COS(v)	Cosine
TAN(v)	Tangent
ATN(v)	Arctangent

Parentheses () can be used anywhere to change the natural order of execution and improve readability.

Analyze Menu

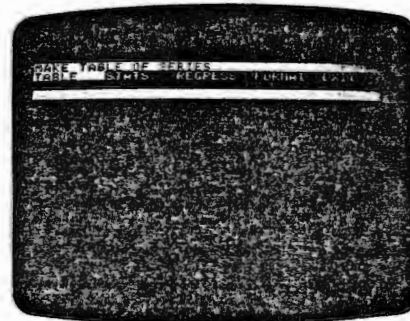


TABLE	List one or more series by date.
STATS	Generate descriptive statistics for one or more series.

UNLABEL Remove axis labels (takes immediate effect).

BOTH Remove X- and Y-axis labels.

HORIZ Remove X-axis labels.

VERT Remove Y-axis labels.

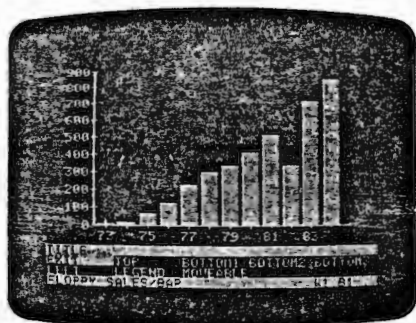
NONE Return to main menu.

RESCALE Change the program set Y-axis scale (effective next PLOT).

BACKGR Change the background color - also changes the plotting color; displays color menu (effective next PLOT or OVERLAY).

COLOR Change the plotting color; displays color menu (effective next PLOT or OVERLAY).

Title Menu



EXIT Return to Main Plot menu.

TOP Put title at top of chart (normal or bold typeface).

BOTTOM1 Put title at bottom of chart (normal or bold typeface).

BOTTOM2 Same as BOTTOM1 but second line.

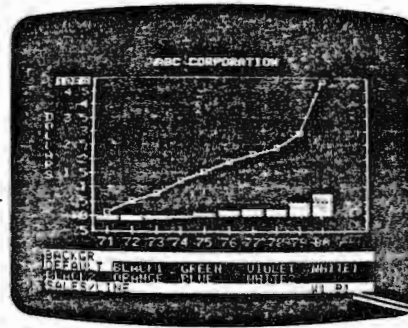
BOTTOM3 Same as BOTTOM1 but third line.

LEFT Put vertical title along Y-axis (normal typeface only).

LEGEND Return the legend lines covered by bottom titles (removes legend from pie chart).

MOVEABLE Put title anywhere on chart—use I, J, K, and M keys to move title, 0 through 9 to control speed (normal typeface only).

Color Menu



Color	Code	Black and White Representation
DEFAULT		Black background, white plotting
BLACK1	B1	Black
GREEN	GR	Grey
VIOLET	VI	Grey
WHITE1	W1	White
BLACK2	B2	Black
ORANGE	OR	Grey
BLUE	BL	Grey
WHITE2	W2	White

COLOR CODE

W1.B1

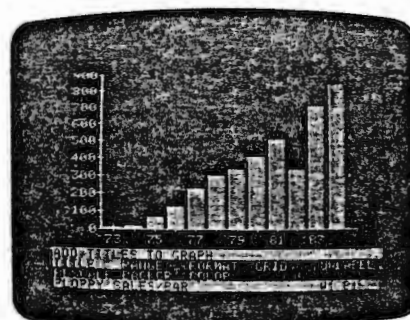
Plotting Color ——— Background Color

Main Plot Menu



PLOT	Draw the chart type with the current series.
SELECT	Go to the Select menu.
WINDOW	Display the window menu.
EXIT	Return to the Main Plot menu.
HORIZ	Create top and bottom windows.
VERT	Create left and right windows.
SWITCH	Switch to the other window.
NONE	Return to single window mode.
PRINT	Print the currently displayed chart on the graphic printer.
PIXSAVE	Save the currently displayed chart in binary form on diskette for later printing by another program.
OPTIONS	Go to the Options menu.
->MAIN	Go to the Storage Management program.
OVERLAY	Draw the current series over the currently displayed chart.
NEW	Erase current chart, reset all options to the defaults.

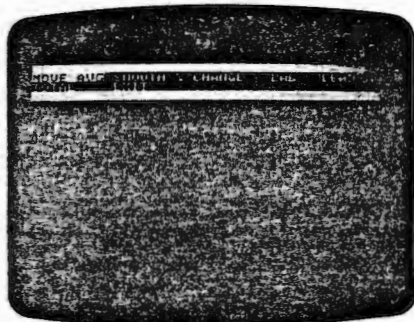
Options Menu



TITLE	Go to the Title menu (takes immediate effect).
RANGE	Change the current range (effective next PLOT).
SET	Specify a new range.
CLEAR	Return to program established range.
EXIT	Return without changing range.
FORMAT	Change the current chart display format (effective PLOT or OVERLAY).
	Line chart—SYMBOLS, LINES, or BOTH.
	Bar chart—OUTLINE, SHADED, or SOLID.
	Scatter chart — SYMBOLS or POINTS.
GRID	Draw grid lines; removes existing grid lines (takes immediate effect).
BOTH	Draw or remove horizontal and vertical grid lines.
HORIZ	Draw or remove horizontal grid lines.
VERT	Draw or remove vertical grid lines.
NONE	Return to Main menu.

- REGRESS** Do linear multiple regression and trendline forecasting; generates fitted and residual series.
- FORMAT** Change the data format (fixed format with degree of precision or floating point) and column width.
- EXIT** Return to the Main VisiTrend menu.

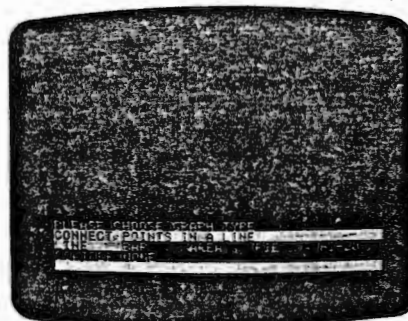
Function Menu



- MOVE AVG** Generate a series containing the moving average of the source series.
- SMOOTH** Generate a series containing a single exponentially smoothed version of the source series.
- %CHANGE** Generate a series containing the percent of change between points in the source series.
- LAG** Generate a series containing a lagging version of the source series.
- LEAD** Generate a series containing a leading version of the source series.
- TOTAL** Generate a series containing the cumulative total of the points in the source series.
- EXIT** Return to the Main VisiTrend menu.

PLOT PROGRAM

Select Menu



- LINE** Draw line chart (select one or more series).
- BAR** Draw vertical bar chart (select one or more series; multiple series are stacked).
- NORMAL** Full-width bars centered on tick marks.
- LEFT** Half-width bars to left of tick marks.
- RIGHT** Half-width bars to right of tick marks to draw comparison charts (left and right bars). PLOT first bar and OVERLAY second—change FORMAT or COLOR so bars can be distinguished.
- AREA** Draw area chart (select one or more series).
- PIE** Draw pie chart of values from same date in different data series (select two or more series).
- HI-LO** Draw vertical lines between high and low points at each date (separate prompts for two series).
- SCATTER** Draw a scatter chart (separate prompts for two series).
- NONE** Go to Main Plot menu.